

ABSTRACT OF THE DISCLOSURE

Novel polypeptides, polynucleotides encoding the polypeptides, and related compositions and methods are disclosed for zcytor17, a novel cytokine receptor. The polypeptides may be used within methods for detecting ligands that stimulate the proliferation and/or development of hematopoietic, lymphoid and myeloid cells *in vitro* and *in vivo*. Ligand-binding receptor polypeptides can also be used to block ligand activity *in vitro* and *in vivo*. The polynucleotides encoding zcytor17, are located on chromosome 5, and can be used to identify a region of the genome associated with human disease states. The present invention also includes methods for producing the protein, uses therefor and antibodies thereto.